

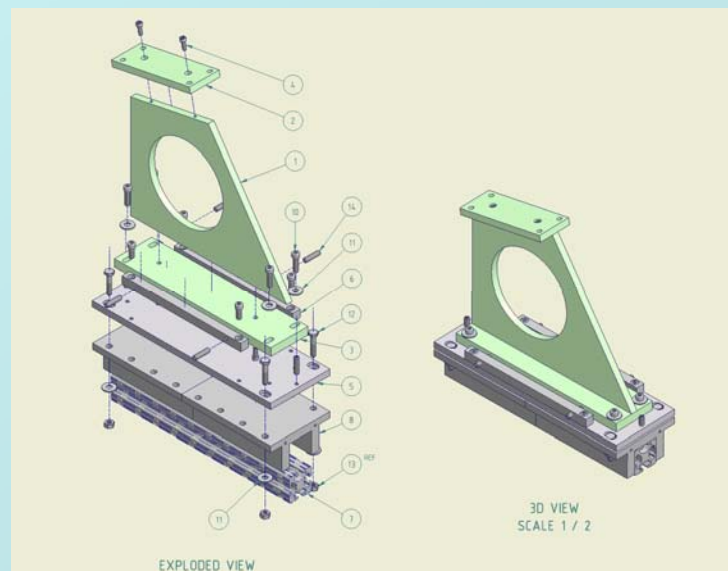
PHENIX WEEKLY PLANNING

5/18/06

Don Lynch

This Week

- HBD Prototype moved to run position
- HBD final design of supports
- Run support detector maintenance and adjustments
- HBD cable management
- Mold remediation completed

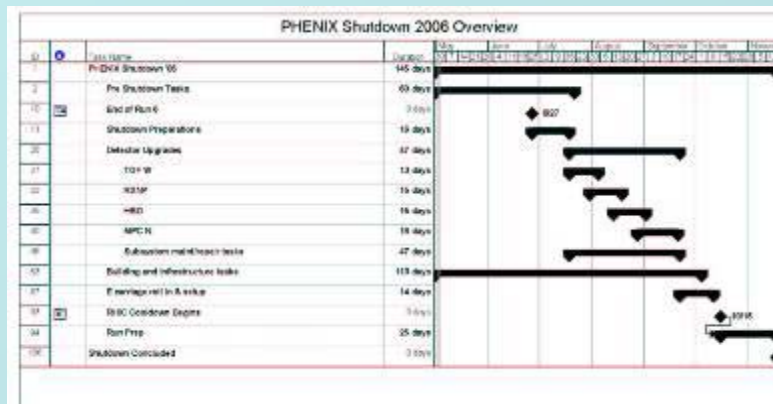


PHENIX Shutdown Overview



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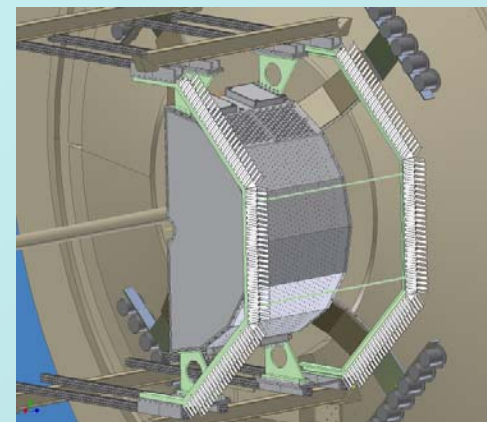
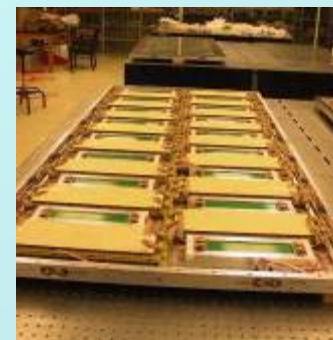
Task_Name	Duration	Start_Date	Finish_Date
PHENIX Shutdown '06	145 days	5/1/2006	11/17/2006
Pre Shutdown Tasks	60 days	5/1/2006	7/21/2006
End of Run 6	0 days	6/27/2006	6/27/2006
Shutdown Preparations	16 days	6/27/2006	7/18/2006
Detector Upgrades	47 days	7/19/2006	9/21/2006
Planned electrical power outage	5 days	7/24/2006	7/28/2006
Subsystem maint/repair tasks	47 days	7/19/2006	9/21/2006
Building and infrastructure tasks	113 days	5/1/2006	10/4/2006
E carriage roll in & setup	14 days	9/22/2006	10/11/2006
RHIC Cooldown Begins	0 days	10/16/2006	10/16/2006
Run Prep	25 days	10/16/2006	11/17/2006
Shutdown Concluded	0 days	11/17/2006	11/17/2006



Detector Upgrades

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TOF W	13 days	7/19/2006	8/4/2006
Prepare installation Fixtures	2 days	7/19/2006	7/20/2006
Mockup test installation	1 day	7/21/2006	7/21/2006
TOF Mechanical installation	2 days	7/31/2006	8/1/2006
TOF Electrical Installation	3 days	8/2/2006	8/4/2006
RXNP	15 days	7/31/2006	8/18/2006
Prepare for installation	5 days	7/31/2006	8/4/2006
Mechanical installation	5 days	8/7/2006	8/11/2006
Electrical installation	5 days	8/14/2006	8/18/2006
HBD	15 days	8/14/2006	9/1/2006
Prepare for installation	5 days	8/14/2006	8/18/2006
Mechanical installation	5 days	8/21/2006	8/25/2006
Electrical installation	5 days	8/28/2006	9/1/2006
MPC N	18 days	8/28/2006	9/20/2006
Move CM south	2 days	8/28/2006	8/29/2006
Prepare for installation	5 days	8/30/2006	9/5/2006
Mechanical installation	5 days	9/6/2006	9/12/2006
Electrical installation	5 days	9/13/2006	9/19/2006
Move CM North	1 day	9/20/2006	9/20/2006



Subsystems

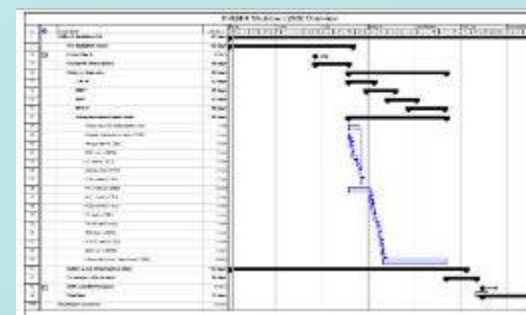
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Subsystem maint/repair tasks	47 days	7/19/2006	9/21/2006
Prepare EC for subsystems work	1 wk	7/19/2006	7/25/2006
Magnet subsystems tasks (TBD)	1 day	7/19/2006	7/19/2006
Aerogel tasks (TBD)	1 day	7/20/2006	7/20/2006
BBC tasks (TBD)	1 day	7/21/2006	7/21/2006
DC tasks (TBD)	1 day	7/24/2006	7/24/2006
EmCal tasks (TBD)	1 day	7/26/2006	7/26/2006
FCAL tasks (TBD)	1 day	7/27/2006	7/27/2006
MPC S tasks (TBD)	2 wks	7/19/2006	8/1/2006
MuTr tasks	60 eday	7/17/2006	9/17/2006
MuTr repairs	1 day	9/17/2006	9/17/2006
Remove lampshade	1 day	7/17/2006	7/17/2006
Install lampshade	1 day	9/17/2006	9/17/2006
MuID tasks (TBD)	1 day	8/3/2006	8/3/2006
PC tasks (TBD)	1 day	8/4/2006	8/4/2006
RICH tasks (TBD)	1 day	8/7/2006	8/7/2006
TEC tasks (TBD)	60 days	7/17/2006	9/21/2006
TOF E tasks (TBD)	1 day	8/9/2006	8/9/2006
ZDC tasks (TBD)	1 day	8/10/2006	8/10/2006
Other Subsystem tasks tasks (TBD)	6 wks	8/11/2006	9/21/2006



HBD Prototype Run Position Mounting



Working hard late at night
And early into the morning
HBD team got the electronics
ready for the move to the run
position.

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HBD Prototype Run Position Mounting

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As the sun came up on Wednesday, it was decided to make things more difficult by adding tests before beginning the HBD relocation effort and changing the prototype design by adding foil over the beampipe recess so that the installed position was effectively changed by 5 cm to the west.

HBD Prototype Run Position Mounting

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PHENIX techs were up to the challenge and managed to modify the support structure simultaneous to the installation to accommodate the change. All efforts were completed within the allotted time slot and the HBD group

HBD Prototype Run Position Mounting

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Electrical connections were the last detail. As planned, this aspect was "field-fit", "game-day decisions", or otherwise "seat of the pants" design.



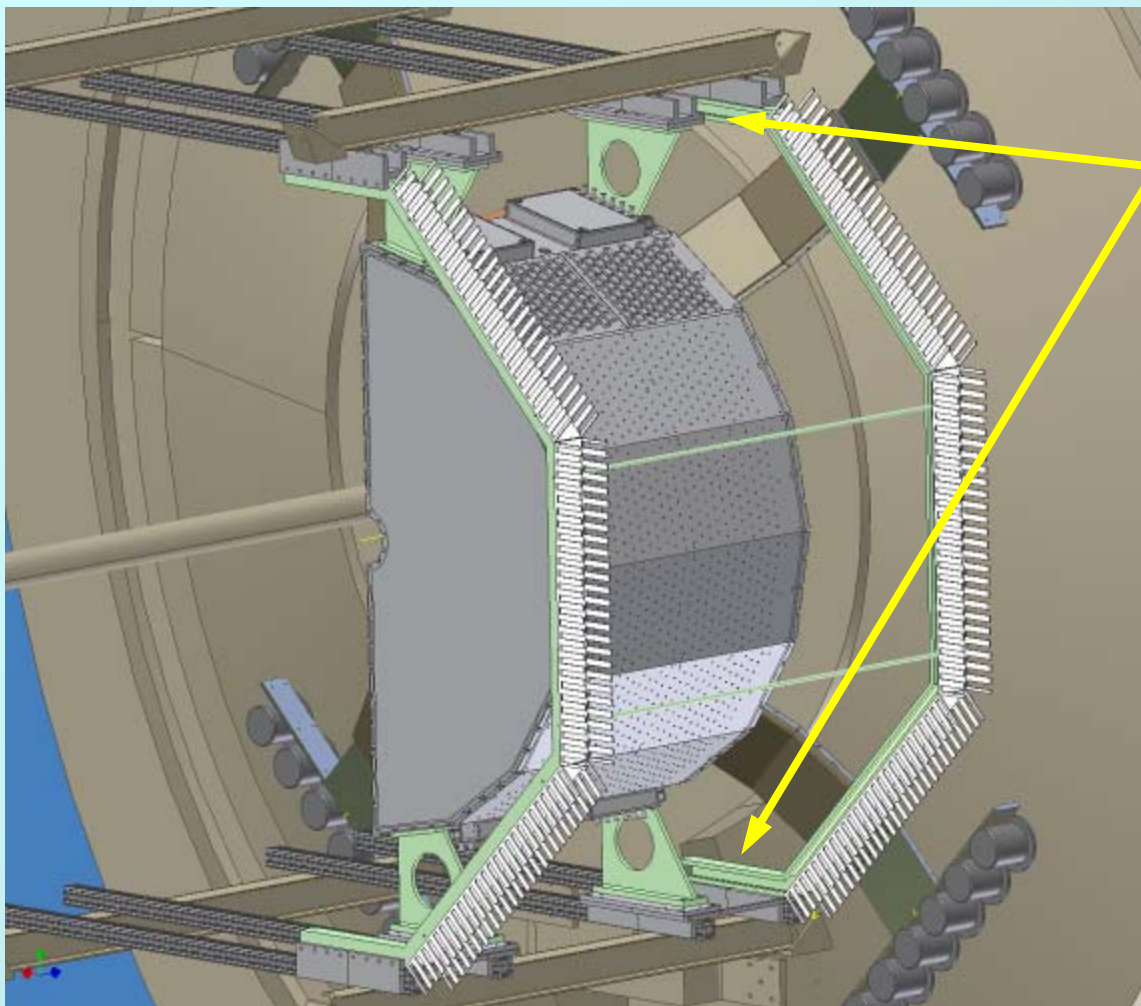
In the end Jimmy looked upon the job and saw it was good.

Next Week

- Memorial Day Holiday
- Wednesday access
- TOFW Hi Bay Exp. Safety Review
- Continue shutdown prep
- OSH/EMS Audit Forum
 - June 1 last session



HBD Cable Management & RXNP



Latest Iteration

- Separate mounting for HBD and Cable Trays, joined by handle for separating
- HBD can be unmounted without removing cable trays
- Cable trays ~entirely out of acceptance
- No interference with RXNP

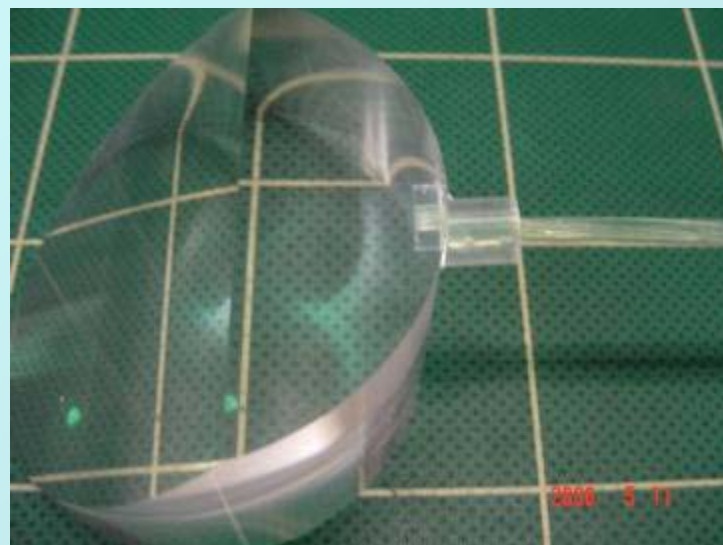
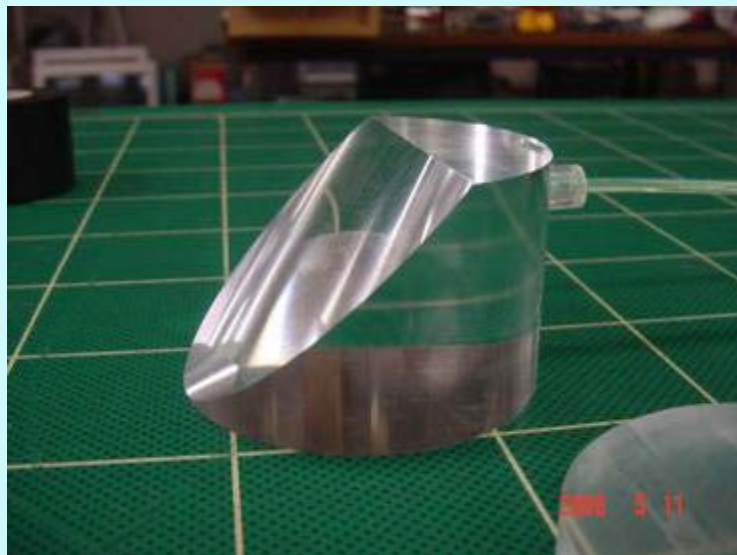
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Drawings complete, Copies to Craig for fabrication of 8 assemblies at SB



Reaction Plane Detector (RXNP)



Unanswered question:

How do we hold/mount prism on PMT/arm?

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Breaker Safety

Update on breaker analyses and equipment upgrade plans

Siemens Allis Low Voltage Air Circuit Breaker



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Next Access Day

- Expect next full access day (8 hrs) to be May 31
- Subsystems must arrange for tech assistance prior to access day or don't expect assistance. (see Don Lynch or John Haggerty)
- PHENIX Techs only on CM lift platform unless accompanied by PHENIX Tech (Lift platform electric plug is locked) Procedure and log sheet to be developed.
- Planned:
 - PC-2 NW sector 3 HV repair (info from Mike Sivertz
 - requires ~ 3hrs
 - requires work plan
 - subsystem trouble shooting
 - HBD system tests/adjustments/trouble shooting
 - Misc. trouble shooting

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Other Projects

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TOF West

- Expect detectors to be at BNL by June 5. May want to change run location: split top and bottom between sector 1 and 2?

Experimental safety review paperwork rec'd and submitted

MPC North

- Design efforts ongoing at UI. Design review June 22.

Muon RPC

- Nothing New

Beampipe design

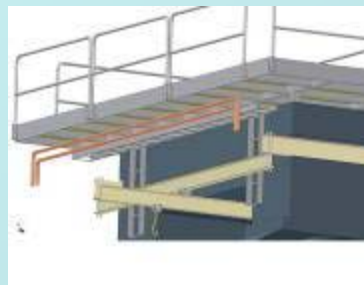
- Nothing new design concept in progress

New CM Crane

- Nothing new

Engineering Documentation

- Nothing new



C-A Tasks

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Current Tasks

- General run support/building services
- New storage trailer (as promised)
- Fix roof leaks
- HVAC troubleshooting/repair

Tasks for Shutdown 2006

- See Shutdown schedule



MOLD & Mice Remediation

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Tech offices remediated.

Next: we need to evaluate and effect remediation to the trailer office area

Shutdown 2006 key dates

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- Run ends June 26
- End of Run Party June 29
- Open Shield wall June 30
- Prep and move EC July 10
- Install TOF W (start) July 19
- **Lost week for planned electrical outage July 24-28**
- Install RXNP (start) July 31
- Install HBD (start no later than) Aug 14 (possibly as early as Aug 1)
- Install MPC North (start no later than) Aug 28
- Start EC roll in Sep. 22
- Start RHIC Cooldown Oct. 15
- Start Physics data taking Nov. 17

Subsystems:

Get requests for maintenance in early to get on the schedule

Where To Find PHENIX Technical Info

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Links for the shutdown schedule as well as weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found from the web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm